

Elimination of Pitch Shave in the Manufacture of
Paper, by V. P. Kovalchuk.

USSR, Nov. 1951, Vol XXVI, No 4, 1951,
pp 6-13.

Ref Rep Lib TT-558

39/67

USSR - Economic
pp 56 CTS/dex

KOMAROV, F. P.
ADVANCES IN THE OXIDATION OF CELLULOSE.
Bumazh. Prom 28, No. 1, 6-13. 1953. In Russian.

APL 480
ARS

april 61

Rapid Method for Determination of Fibre Length, by
R. E. Reizin'sh, 9 pp.

RUSSIAN, per, Bumazhnaya Promyshlennost', Vol
XXVIII, No 4, 1953, pp 23-26.

Sol Trans Center
RT-1671

14, 668

Scientific - Engineering

Dec 54 CTS/DEK

Kaverzneva, E. D., Ivanov, D. J., and Salova, A. S.
CHEMICAL TRANSFORMATIONS OF CELLULOSE
IN THE PROCESS OF TREATMENT WITH HYPO-
CHLORITE. [1961] 9p. (1 graph 3 schemes 2 diagr.
refs. omitted).

Order from OTS or SLA \$1.10

61-20893

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1963, v. 28, no. 7, p. 6-11.

DESCRIPTORS: Transformations. *Cellulose, Cello-
lose chemistry. *Hypochlorites. Oxidation, Chemical
properties. Manufacturing methods. Wood pulp.
Cotton cellulose. Bleaching.

The chemical transformations taking place on oxida-
tion of cellulose with hypochlorite and the influence of
pH on these transformations were determined. As a
result of the oxidation of cellulose with sodium hypo-
(Materials--Wood, IT, v. 7, no. 9) (over)

61-20893

I. Kaverzneva, E. D.
II. Ivanov, D. J.
III. Salova, A. S.

Office of Technical Services

Delignification of Wood Pulp with Ethylene
Glycol, by A. A. Konkán, Z. A. Rogovin, 12pp
RUSSIAN, per, Bumazhnaya Promyshlennost',
Vol 28, 1953, No 9, pp 15-19
SIA TT-64-20453

Sci - Mat
June 67

327,509

Effect Upon the Properties of Paper and Cardboard of
Making the Fibre Surface Hydrophobic, by S. S.
Voyutskiy, N. A. Volokitina, A. D. Zaynachkovskiy.

RUSSIAN, bino per, Bum Proizy, Vol XXVIII, No 12, 1953,
pp 6-9.

Sci Tr Center RT-3701.

Scientific - Engineering

36,135

Jun 56/dex

Solyus, N. S.

MEJORA DEL RENDIMIENTO DE LOS HORNO DE
PIRITA (Ob Uvelichenii Proizvoditel'nost' Kolchedan-
nykh Pechei) (Improvement in Pyrites Furnace Yields),
6p. CID: 62-227.

Order from OTS, ETC or CID \$0.80

62-29227

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 4, p. 24.

DESCRIPTORS: *Pyrites, *Combustion chambers,
Effectiveness.

(Metallurgy, TT, v. 10, no. 8)

62-29227

- I. Solyus, N. S.
- II. CID-62-227
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Ivanov, S. N.
LOS DEFECTOS EXTERNOS DEL PAPEL Y LOS
MEDIOS DE EVITARLO (Vneshnie Defekty Bumagi i
ikh Preduprezhdenie) (External Defects of Paper and
Means of Obviating Same). 22p. CID: 62-204.
Order from OTS, ETC or CID \$0.86 62-29204

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 4, p. 24-30.

DESCRIPTORS: *Paper, Quality control.

(Materials--Paper, TT, v. 10, no. 8)

62-29204

I. Ivanov, S. N.
II. CID-62-204
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

The Formation of a Sheet on a Cylinder Mould, by
G. A. Tolukiy.

RUSSIAN, ser, ~~Buzh~~zh Prom, Vol XXX, No 5, 1955,
pp 10-13.

MLL M. 2455

Sci - Engr

Nov 61

174 421

62-29239

Solomko, V. S.
APROVECHAMIENTO DE LOS RESIDUOS DE
SERRERIA Y DE ALMACENES DE LENA, PARA LA
FABRICACION DE PASTA DE PAPEL AL SULFATO
(Ispol'zovanie Otkhodov Lesopleniya i Lesozagotovok
dlya Proizvodstva Sul'fatnoi Tseliyulozy) (Utilization
of Saw-mill and Lumber Store Residues in the Manu-
facture of Sulphate Paper Pulp). 14p. CID: 62-239.
Order from OTS, ETC or CID \$0.80 62-29239

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 5, p. 27-28.

DESCRIPTORS: *Sulphate pulp, Production, Wood,
Sawmills.

(Materials--Wood, TT, v. 10, no. 8)

- I. Solomko, V. S.
- II. CID-62-239
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Poddubnaya, S. N.
METODOS PARA ELIMINAR LAS BURBUJAS EN EL
PAPEL FOTOGRAFICO (O Metodakh Ustraneniya
Puzyrej na Fotograficheskoi Bumage) (Bubble Elimination
Methods in Photographic Paper). 16p. 3 refs.
CID: 62-258.
Order from OTS, ETC or CID \$0.80 62-29258

Trans. in Spanish of Bumazhnaya Promyghlennost'
(USSR) 1955, v. 30, no. 7, p. 8-10.

DESCRIPTORS: *Photographic paper, Separation,
Bubbles.

(Materials--Photographic, TT, v. 10, no. 8)

62-29258

- I. Poddubnaya, S. N.
- II. CID-62-258
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

62-29218

Kuz'minykh, I. N. and Babuchkina, M. D.
EQUILIBRIO ENTRE EL ANHIDRIDO SULFUROSO Y
LAS DISOLUCIONES BISULFICAS (Ravnotele
Mezhu Serniatym Gazom i Bisul'fitym Rastvoram)
(Equilibrium Between Sulfur Dioxide and Bisulphite
Solutions). 19p. 13 refs. CID: 62-218.
Order from OTS, ETC or CID \$0.80 62-29218

Trans. in Spanish of Bumazhnaya Promyshlennost
(USSR) 1955, v. 30, no. 8, p. 5-9.

DESCRIPTORS: *Sulfur compounds, Dioxides, *Sulfites,
*Chemical equilibrium, Solutions.

(Chemistry--Physical, TT, v. 10, no. 8)

I. Kuz'minykh, I. N.
II. Babuchkina, M. D.
III. CID-62-218
IV. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

62-29209

Ivanov, S. N.
ROTURAS DEL PAPEL EN LA MAQUINA DE FABRI-
CACION DEL MISMO Y FORMA DE EVITARLAS
(Obryvy Bumagi na Bumagodelatel'noi Mashine i ikh
Preduprezhdenie) (Paper Tearing in Paper Manufac-
turing Machines and Means of Preventing It). 9p.
CID: 62-209.
Order from OTS, ETC or CID \$0.80 62-29209

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 9, p. 21-22.

DESCRIPTORS: *Paper, Manufacturing methods,
Machines.

(Materials--Paper, TT, v. 10, no. 8)

I. Ivanov, S. N.
II. CID-62-209
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

62-29219

Suchil'nikov, N. G.
UTILIZACION ECONOMICA DE LA MADERA EN LA
INDUSTRIA DEL PAPEL Y DE LA CELULOSA (Eko-
nomno Ispol'zovat'Drevestnu v Tsellyulozno-bumazh-
noi Promyshlennosti) (Low Cost Utilization of Wood in
the Paper and Cellulose Industry). 7p. CID: 62-219.
Order from OTS, ETC or CID \$0.80 62-29219

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 9, p. 26-27.

DESCRIPTORS: *Paper, *Cellulose, *Wood, Production.

(Materials--Paper, TT, v. 10, no. 8)

- I. Suchil'nikov, N. G.
- II. CID-62-219
- III. Centro de Informacion
y Documentacion,
Madrid (Spain)

Office of Technical Services

Tolskiy, G. A.
 THE INFLUENCE OF PULP CONSISTENCY ON THE
 QUALITY OF THE SHEET BEING FORMED, tr. by
 R. Newman, Aug 60, up. (3 figs. omitted).
 Order from SIA m\$1.80, ph\$1.80 60-18443

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR) 1955
 [v. 30] no. 10, p. 7-10.

RUSSIA to SPANISH G.OTS 62-29230

The effect of the change in the consistency of the stock
 entering the vat on the pressure of filtration and the
 physico-mechanical properties of the sheet being
 formed was examined at consistencies of 0.07, 0.10,
 0.15, 0.20, 0.25, 0.30 and 0.40% and at degrees of
 beating of 20, 30, 45, 60 and 75° S.R., using bleached
 sulphite pulp mark "A". The results show that the
 pressure of filtration changes in linear relation to the
 quantity of liquid being filtered only at degrees of beat-
 ing of the pulp of 20 and 30° S.R. At degrees of beating
 of 45° S.R. and higher the pressure of filtration

(Materials--Paper, IT, v. 5, no. 4) (over)

60-18443

1. Paper--Processing
2. Wood pulp--Properties
1. Tolskiy, G. A.

143,252

NLL M.2454

Office of Technical Services

changes in a power relationship. These variations occur as a result of the different density of packing of the fibres in the sheet being formed and to the formation of flocks in the sheet.

PB-

60-18443

Karnelcheva, L. V.
PERGAMINO PARA CONSERVAR CANGREJOS, HECHO
CON PASTA AL SULFATO MEJORADA (Krabovyi Per-
gament iz Sul'fatnoi Oblagorozhennoi Tsellyulozy)
("Crab" Parchment Paper from Refined Sulphate
Cellulose) 6p, CID: 62-215.
Order from OTS, ETC or CID \$0.80 62-29215

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1955, v. 30, no. 10, p. 23.
Another trans. is available in English from OTS or SLA
\$1.10 as 62-16510, Feb 62, 2p.

DESCRIPTORS: *Paper industry, *Cellulose, Wood
pulp, *Sulfate pulp, Cotton cellulose.

(Materials--Paper, TT, v. 10, no. 8)

62-29215

- I. Karnelcheva, L. V.
- II. CID-62-215
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

More Initiative in the Introduction of Continuous Roll-Feeding of Pulp, by V. I. Mudrik, 6 pp.

RUSSIAN, per, Bumazhnaya Prom, Vol XXXI, No 1, 1956, pp 18, 19.

SLA R-1899

Sci
Aug 58

70,860

The Influence of Various Bases of the Sulphite
Cooking of Wood, by N. A. Rosenberger, 7 pp.

RUSSIAN, per, *Bumazhnaya Prom*, No 3, 1956, pp 6-10.

BIA 59-10227

(RUSSIAN to SPANISH 4 OTS 62-29223)

Sci - Chem
Sep 59
Vol 2, No 1

97743

Approved for Printing Historical Document
 by Special Agent, by A. S. Edwards, Jr. M.
 Page 1, 1 pp.

REVISION, per. General Order, Vol 1711, No 4,
 1958, pp 13-14.

SLA 60-14167

183, 184

500

1000

Continuous Beating in Hollanders,
by L. Ginzburg.

RUSSIAN, per, ~~Humazhnaya~~ Prom.
Vol XXXI, No 4, 1956, pp 19-21.

CSIRO 3585

Sci - Engr

Feb 62

186,621

On the Article: "Pulp Fractionation During Continuous Beating in Hollanders", by P. S. Larin, S. N. Ivanov, B. A. Rubekin, 3 pp.

RUSSIAN, per, ⁴Bumish Prom, Vol. XXXI, No 4, 1956, pp 21, 22.

SLA R-3446.

Sci

95, 377

Aug 59

Ivanov, S. N.

LAS NORMAS DE PRODUCTIVIDAD DE LAS MAQUINAS DE PAPEL CONTINUO (O Normakh Proizvoditel'nosti Bumagodelatel'nykh Mashin) (Productivity Standards in Continuous Paper Manufacturing Machines).

16p. 2 refs. CID: 62-210.

Order from OTS, ETC or CID \$0.80

62-29210

Trans. in Spanish of Bumazhnaya Promyshlennost' (USSR) 1956, v. 31, no. 7, p. 9-12.

DESCRIPTORS: *Paper, Machines, Effectiveness, Standardization.

(Materials--Paper, TT, v. 10, no. 8)

62-29210

I. Ivanov, S. N.

II. CID-62-210

III. Centro de Informacion y Documentacion, Madrid (Spain)

Office of Technical Services

Methode Rapice de Dosage D'Humidite dans le Papier
(Determining the Moisture Content of Paper), by
A. T. Dibrova, 5pp.

RUSSIAN to FRENCH, per, Bumazhnaya Prom, Vol XXXI, No 8,
1956, pp 14-15.

Reverse Trans
OTS 62-26994

Sci-Chem
March 64

Methods of Determining the Effectiveness of
the Washing of Pulp on the Vacuum Filters, by
T. I. Zubowitch.

RUSSIAN, per, Buzsahnaya Prom, No 11, Nov
1956, pp 2-6.

ASLIB-GB15

8c1
Aug 58

C. 2249

70, 8/0

Effect of Temperature and Air Humidity on the
Aging, by R. R. Yabrova, 7 pp.

²
RUSSIAN, per, Dumash Prom, Vol XXXII, No 1, 1957,
pp 15, 16.

SIA R-9449

SC₁

Aug 59

95, 380

Bleaching of Cellulose With Peroxides, by F. P.
Komarov, 8 pp.

RUSSIAN, per, Bumazh Prom SSSR, Vol XXXII, No 3,
1957, pp 2-5. also.

ITALIAN
~~RUSSIAN~~, per, Industria della Carta (Italy), Vol XII,
No 3, 1958, pp 25-29.

SLA 59-10509

Sci
Nov 59
Vol 2, No 3

101,533

Iron and Copper Impurities in Condenser Paper,
by N. V. Goloub, 8 pp.

RUSSIAN, per, Bumash Prom, Vol XXXII, No 8,
1977.

SIA 60-14373

Sci
Feb 62
Vol III, No 11

182, 796

Effect on Resin Composition on Pithh Difficulties in Pulps, by N. P. Starostenko, N. N. Nepenin, I. G. Leshchenko, 6 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXII, No 9, 1957, pp 2-5.

SLA 61-10309

NLL 01.2798

Vol V, No 5
Jul 61

160,162

Some Properties of Paper Stock Used in the
Manufacture of Condenser Tissue, by N. D.
Souchkova, 11 p.

RUSSIAN, per, *Bumashnaya Prom*, 1957, Vol XXXII,
No 9, pp 5-7.

SLA 60-10138

Sci
Apr 60
Vol III, No 2

113,576

Experience Gained in the Application of a
Variable Hydraulic Pressure in the Impregnation
of Wood Chips, by S. F. Mel'nikov, 5 pp.

RUSSIAN, per, Dussel'maya Promy, Vol XXXII, No 9,
1957, pp 8-9.

CIA/FID XX-1560
NO FOREIGN DISSEM

Sci - Phys
Jun 64

260,068

Belaya, I.K.
EFFET DES RAYONNEMENTS ULTRA-VIOLETS DES
LAMPES BACTERICIDES SUR LE PAPIER (The Effect
on Paper of Short-Wave Ultraviolet Radiation). 8p.
9refs. CNRS-VI 258.
Order from OTS, ETC or CNRS \$0.80 TT-62-28015

Trans. ~~in~~ French of Bumazhnaya Promyshlennost
(USSR) 1957, v.32, no.9, p.9-10.

DESCRIPTORS: *Paper, *Ultraviolet radiation,
Bactericides, Air, Purification, *Libraries, Instal-
lation, Mercury lamps.

(Materials--Paper, TT, v. 11, no. 6)

TT-62-28015

I. Belaya, I.K.
II. CNRS-VI 258
III. Centre National de la Recher-
che Scientifique, Paris

Office of Technical Services
European Translations Centre

The Condensing Action of Acid on Lignin, by D. V.
Tishchenko, 16 pp.

RUSSIAN, per, Bumazh Prom SSSR, Vol XXXII, No 12,
1957, pp 5-10.

SIA 59-10268

Sci
Nov 59
Vol 2, No 3

101,520

IR-70-59

(DC-3251)

The USSR Paper Industry, by K. A. Veynov, 30 pp.

RUSSIAN, bk, Papernaya Promyshlennost, SSSR, Moscow,
1958, pp 117-118.

JPRS-L-1999-D

USSR

Econ - Paper Industry

Jan 60

106, 305

Smoking Paper With Paraffin Emulsion, by A. N.
Otkovskaya, 6 p.

RUSSIAN, per, Buzash Pron, 1956, Vol XXIII,
No 1, pp 9-11.

SLA 59-17163

Zel
Dec 59
Vol 2, No 6

103, 966

Adsorption Method for Determining the Specific
External Surface of Pulp Suspensions During
Heating, by Ye. Ya. Vinetskaya, 12 p.

RUSSIAN, per, ~~Bumazhnaya~~ Promyshlennost, 1958,
Vol XXVIII, No 4, pp 6-9.

SLA 59-17751

Sci
Feb 60
Vol 2, No 10

108,906

A Method of Calculating the Tractive Forces of the
Driving Rolls for a Four-Drum Wire (With Two
Driving Rolls), by Yu. K. Barbarovich, 7 pp.

RUSSIAN, per, Samazhnaya Prom USSR, Vol XXXIII, No 4,
1958, pp 13-15.

SLA 59-15834

Sci

Vol 59

Vol 2, No 4

103,113

Klopov, V. M.
FABRICACION DE PASTA DE MADERA A PARTIR
DE VIRUTAS (Drevesnaya Massa iz Shchepy) (Manu-
facture of Wood-pulp from Wood Shavings). 16p.
5 refs. CID: 62-206.
Order from OTS, ETC or CID \$0.80 62-29206

Trans. in Spanish of Drevesnaya Promyshlennost'
(USSR) 1958, v. 33, no. 4, p. 25-27.

DESCRIPTORS: *Wood pulp, Manufacturing methods.

(Materials--Wood, TT, v. 10, no. 8)

62-29206

- I. Klopov, V. M.
- II. CID-62-206
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Dolgaleva, A. A.

EFFECT OF THE QUALITY OF WATER ON THE PRODUCTION TECHNOLOGY AND ON THE PROPERTIES OF PAPER FOR CAPACITORS (Vliyaniye Kachestva vody na Tekhnologiyu Proizvodstva i Svoystva Kondensatornoy Bumagi). Nov 60 [20]p.

11 refs. RTS 1720.

Order from LC or SLA m\$2. 46, ph\$3. 30 61-13999

Trans. of Bumazhnaya Promyshlennost' (USSR) 1958, v. 33, no. 5, p. 10-13.

Discussions are presented on the effect of water hardness (total, and carbonate), of the cations and the anions of the salts giving rise to the hardness, and also of the cations Na^+ , NH_4^+ , Al^{+++} on the beating of cellulose and on the texture and the properties of paper. The dependence of the cellulose grinding process on the pH of the medium was also studied, since changes in the concentration of dissolved electrolytes induced changes in the hydrogen ion exponent.
(Author)

61-13999

1. Paper capacitors--Production
2. Paper--Properties
3. Water--Properties

1. Dolgaleva, A. A.

II. RTS-1720

III. Department of Scientific and Industrial Research (Cl. Brit.)

146,945

Office of Technical Services

(Materials--Paper, TT, v. 5, no. 5)

Change in the Hydrophilic Behaviour of Cellulose
in the Papermaking Process, by R. V.
Voitsekhovskiy.

RUSSIAN, per, Bumazhnaya Promyshlennost,
Vol XXXIII, No 6, 1958, pp 2-5.

DSIR LLU M. 1896

OTS 66-16517

169,836

Sci - Chem

Oct 61

An Investigation of the Sulphite Cooking Process
With Soluble Bases, by Yu. G. Butko, 14 p.

RUSSIAN, per, Bumazhnaya Promyshlennost, 1958,
Vol ~~XXX~~, No 7, pp 2-5.
XXXIII

SLA 59-10269

Sci
Jan 60
Vol 2, No 8

105528

Chudakov, M. I.
SOBRE LA CONDENSACION ACIDA DE LA LIGNINA
(O Kislotnoi Kondensatsii Lignina) (On the Acid Con-
densation of Lignine). 15p. 13 refs. CID: 62-257.
Order from OTS, ETC or CID \$0.80 62-29257

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1958, v. 33, no. 7, p. 9-11.

DESCRIPTORS: Condensation reactions, *Lignin.

(Chemistry--Physical, TT, v. 10, no. 8)

62-29257

I. Chudakov, M. I.
II. CID-62-257
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Nagrodskii, I. A. and Sokolova, L. N.
THE INFLUENCE OF RESIN AND ASH CONTENTS
OF PULP ON THE CLARITY OF VISCOSE SOLUTIONS.
10 Nov 60, 9p. 8 refs.
Order from OTS or SLA \$1. 10

61-18640

Trans. of Bumazh(naya) Prom[yshlennost'] (USSR) 1958,
v. 33, no. 8, p. 2-3.

DESCRIPTORS: *Ash, *Cellulose, *Wood pulp, *Resins,
Solutions, Cellulose chemistry, Tests, Galvanometers,
Synthetic fibers.

(Materials--Textiles, TT, v. 6, no. 10)

61-18640

I. Nagrodskii, I. A.
II. Sokolova, L. N.

2270

Office of Technical Services

The Construction of an Instrument for Automatic
Measurement of Paper Substance, by D. L.
Pankov, I. D. Kugushev, 6 pp.

RUSSIAN, per, Bumazh Prom USSR, Vol XXXIII, No 8,
1958, pp 6-9.

SLA 60-14013

Sci

OTS, Vol III, No 6

Sep 60

126,912

J 17

(DC-3691).

Botany Instruction at the Military Medical
Academy Imeni S. M. Kirov, by Ye. N. Pavlovskiy,
S. Ye. Shpilcnya, 4 pp.

RUSSIAN, per, Botan Zhur, Vol XLIV, No 12,
1959, pp 1763-1765.

JPRS 3257

Sci - Biology
May 60

116,693

The Dynamics of the Stretching of Paper on the
Machine, by A. D. Shustov, 6 pp.

~~RUSS~~

~~RUSSIAN~~, per, ~~Bumazhnaya Prom. USSR~~, Vol XXXIII,
No 11, 1958, pp 7-9.

SLA 59-15835

Sci

Dec 59

Vol 2, No 4

103,102

The Problem of Improving the Quality of
Photographic Base Paper, by N. V. Ryukhin,
5 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXIII, No 12,
1958, pp 8-10.

OTS 60-14062

Sci
26 Mar 62
Vol 4, No 4

187,736

New Design for a Paper Moistener, by E.M. Golovko,
G.I. Tsirel son.

RUSSIAN, for, Samozh. Prom. Vol. 34, No. 1, 1950,
p. 21-22.
65/1

Sci -

July 1957

334-613

Ilinskaya, A. A.

THE INFLUENCE OF KRAFT LIQUOR SULFIDITY
ON THE PROPERTIES OF PULP FOR CONDENSER
PAPER, PT. II. [1962] [9]p. 20 refs.
Order from OTS or SLA \$1.10

62-16193

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR) 1959,
v. 34, no. 3, p. 2-5.

DESCRIPTORS: *Black liquor, *Paper, Cellulose,
*Thermal stresses, Sulfides, Copper compounds,
Ammonium radicals, *Wood pulp, Production.

Of the methods studied for the evaluation of the thermal stability of cellulose as a high polymer, the clearest indication is given by the determination of viscosity in cuprammonium solution. This method is well suited for the purpose, because it gives a direct indication concerning the most important change in
(Materials--Paper, TT, v. 8, no. 6) (over)

62-16193

I. Ilinskaya, A. A.

Office of Technical Services

14 400

GE-1

GUSEV A. A.

Determining the amount of condensate in drying cylinders of paper machines by means of radioactive isotopes

Bestimmung der Kondensatmenge in Trockenzyclindern der Papiermaschinen mittels radioaktiver Isotope

Bumazhn. Prom., 34, No. 9, 9-12 (1959)

German

E u r a t o m

The Reduction of Dielectric Losses in Pulp for
Condenser and High Voltage Paper, by B. C. Milov,
S. Kh. Kitayeva, 8 p.

RUSSIAN, per, Bumazh Prom, 1959, Vol XXXIV, No 5,
pp 4-7.

SLA 59-17481

Sci
Jan 60
Vol 2, No 9

106,012

Sampling Devices for Measuring pH and the Redox
Potential in Pulp Bleaching, by V. A. Alexander,
G. I. Shulkin.

RUSSIAN, per, Bumaz Prom, No 5, 1959, pp 19-.

CSIRO

Sci - Chem

Jun 61

157,808

An Industrial Bubbling Column for the Production
of Sulfurous Acid Using Calcium Hydroxide, by
M. D. Babushkina, E. V. Babayev, 7 pp.

RUSSIAN, per, Bum Prom, No 6, pp 12-15, 1959,
9207841

PL-480

OTS 63-11088

Sci - Chem

Jun 63

~~RUSS~~

IPST No 869

at 32,370

Kachalov, A. I. and Bykova, I. G.
BLEACHING OF PULP WITH ACTIVATED CHLORATE
[1961] 6p.
Order from OTS or SLA \$1.10

61-14919

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1959, v. 34, no. 7, p. 5-7.

DESCRIPTORS: *Wood pulp, Processing, *Bleaching
agents, *Chlorates.

(Materials--Wood, TT, v. 6, no. 2)

61-14919

I. Kachalov, A. I.
II. Bykova, I. G.

16971.

Office of Technical Services

The Influence of Thermal Destruction of Pulp on the
Removal of Inorganic Additives From It, by Z. L.
Zosim.

RUSSIAN, per, Bumazhnaya Promyshlennost', No 7,
1959, p 9. 421 1142

*PL-480

OTS 63-11090

PST-871

(RUSSIA & SPANISH by OTS 62-29202)

Sci

Dec 62

Solechnik, N. Ya. and Alkin, V. P.
PROBLEMS CONCERNING THE DEFORMATION OF
PULP FIBRES AND PULP BEATING. [1960] 5p.

11 refs.

Order from OTS or SLA \$1.10

61-10680

Trans. of *Samazhnaia Promyshlennost'* (USSR)
1959, v. 34, no. 12, p. 7-8.

DESCRIPTORS: *Wood pulp fibers, *Wood pulp, Me-
chanical properties, Processing.

Experiments showed that pulp undergoes the three
kinds of deformations which occur in high molecular
weight polymers: elastic, highly-elastic and plastic.
This indicates that the deformation of pulp during beat-
ing has a relaxation character. Therefore the correct
choice of the magnitude of the pressure and its fre-
quency of application is very important. The speed and
nature of beating depends largely on the ratio of the
various kinds of deformation inherent to the fibre.
(Materials--Paper, TT, v. 6, no. 1) (over)

61-10680

I. Solechnik, N. Ya.
II. Alkin, V. P.

NEL 1003056

161602

Office of Technical Services

MEASURING THE THICKNESS OF CONDENSER PAPER WITH
THE AID OF ALPHA-EMITTING RADIOISOTOPES, BY A. A.
GUSEV.

RUSSIAN, PER, BUMAZ PROM, NO 12, L95, P 12.

NLL M. 6060

SCI - CHEM

OCT 62

214,734

The Use of Water Glass With Aluma (sic) Laminating
Container Board, by M. M. Dymshchits,
T. S. Zhibareva, 3 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXIV, No 8,
1959, pp 16-17.

SLA 60-14291

Sci
Feb 62
Vol III, No 11

180, 821

Smirnov, B. A.

TECHNOLOGICAL LAYOUT OF A CORD CELLULOSE PLANT, tr. by I. Gawronska. 26 May 60, 11p. [Courtaulds] Mlec. Lit. 3159; [DSIR LLU] M.1982. Order from LC or SLA ml\$2.40, ph\$3.30 61-13360

Trans. of Bumazh[naya] Prom[yahlenost'] (USSR) 1960, v. 35, no. 1, p. 4-8.

(Engineering--Chemical, TT, v. 5, no. 12)

61-13360

1. Tires--Materials
2. Cellulose--Applications
3. Cordage--Production
- I. Smirnov, B. A.
- II. Courtaulds ML-3159
- III. DSIR LLU M.1982
- IV. Courtaulds Ltd. (Gr. Brit.)

106594

8
Office of Technical Services

The Influence of Kraft Liquor Sulfidity on the
Properties of Pulp for Condensed Paper, by A. A.
Ilinskaya.

RUSSIAN, per, Bum Prom, Vol XXXV, No 2, 1960,
p 2ff.

OPS 61-16515

Sci

189,529

Mar62

Vol VII, No 2

(NY-6894)

AUTOMATING THE MANUFACTURE OF INSULATING
FIBERBOARD, BY N. I. DOLGACHEV, 7 PP.

RUSSIAN PER BUMAZHNAYA PROM, NO 4, 1960,
PP 22-24.

JPRS 12372

SCI - ENGR
FEB 62

183,118

Ivanov, S. N.
NUEVO METODO DE DETERMINACION RAPIDA DE
LA CONCENTRACION DE LA PASTA DE PAPEL
(Novyi Spособ Bystrogo Opredeleniya Kontsentratsii
Bumazhnol Massy) (New Paper Pulp Concentration
Rapid Determination Method). 5p. CID: 62-208.
Order from OTS, ETC or CID \$0.80 62-29208

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1960, v. 35, no. 5, p. 31.

DESCRIPTORS: *Wood pulp, Determination, Paper.

(Materials--Paper, TT, v. 10, no. 8)

62-29208

- I. Ivanov, S. N.
- II. CID-62-208
- III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Mazing, L. A. and others.
THE VOITH SAVEALL IN OPERATION. [1961] 5p.
(1 diag. omitted).
Order from SLA \$1.10

61-18569

Trans. of Bumazh[naya] Promyshlennost' (USSR) 1960
[v. 35] no. 8, p. 22-23.

DESCRIPTORS: *Paper, Processing. *Machines, Operation.

(Materials--Paper, TT, v. 7, no. 2)

61-18309

1. Mazing, L. A.

114 2 1 2 5

Office of Technical Services

Veinov, K. A. and Bobrov, A. I. ONE IMPORTANT PROBLEM IN SULPHITE PULP PRODUCTION. July 61, 3p. Order from OTS or SLA \$1.10 Trans. of <u>Bumazh[naya] Prom[yshlennost']</u> (USSR) 1960 [v. 35] no. 11, p. 15-17. DESCRIPTORS: *Sulfites, *Wood pulp, Magnesium, USSR, Manufacturing methods, Industrial production, Processing. (Materials--Wood, TT, v. 6, no. 10)	61-20011 I. Veinov, K. A. II. Bobrov, A. I. 107523 Office of Technical Services
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Bleaching and Purifying of Technical Cellulose by
Oxygen and Alkali, by V. M. Nikitin, G. L. Adim,
6 pp.

RUSSIAN, per, Bumazh Prom, Vol XXXV, No 12, 1960,
pp 5-7.

OTS 61-20866

CIA/FED XX-1075

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Sci - Chem

171, 648

Oct 61

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Khaletskii, A. M.
BETA-SITOSTEROL. [1962] 5p. 11 refs.
Order from OTS or SLA \$1. 10 62-10655

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 4, p. 10-11.

DESCRIPTORS: *Steroids, Cholesterol, *Sitosterols,
Synthesis, Sulfates, Cellulose.

(Biological Sciences--Pharmacology, TT, v. 8, no. 7)

62-10655

1. Khaletskii, A. M.

Office of Technical Services

WET END OPERATION IN THIN PAPER MANUFACTURE,
BY V. N. NEMANIKHIN, L. E. KOMAROVSKIY.

RUSSIAN, PER, BUMAZ PROM, VOL XXXVI, NO 5,
1961, PP 7, 8.

NLL M. 6059

SCI - CHEM

OCT 62

214,738

Kalistratov, G. A. and Skvortzova, Ya.
SEPARATION OF HARMFUL PITCH IN THE PROC-
ESS OF BEATING PULP. [1961] [5]p.
Order from OTS or SLA \$1.10

62-14358

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1961, v. 36, no. 5, p. 9-10.

DESCRIPTORS: *Wood pulp, Processing, *Pitch,
Separation, *Paper, Manufacturing methods.

After the introduction at the Sokolaki Mill of the con-
tinuous beating of pulp, which passes from beater to
beater through channels made of stainless steel and
placed at an angle of 25°, it was observed that the
amount of pitch deposited on the Fourdrinier wire
decreased considerably. This phenomenon was
caused by a decrease of the temperature of the pulp
after beating from 55-60° to 30-45° and by the re-
deposition of pitch on the surface of the metallic
(Materials--Paper, TT, v. 8, no. 3) (over)

62-14358

I. Kalistratov, G. A.
II. Skvortzova, Ya.

(RUSSIAN to SPANISH by:)
OTS 62-29203

Office of Technical Services

Saegirev, M. M.
REGULACION AUTOMATICA DE LA TEMPERATURA
EN EL PROCESO DE DESFIBRADO (Avtomaticheskoe
Regulirovanie Temperatury Defibrirovaniya) (Auto-
matic Temperature Control in the Fiber Removing
Process). 7p. CID: 62-244.
Order from OTS, ETC or CID \$0.80 62-29244

Trans. in Spanish of Bumazhnaya Promyshlennost'
(USSR) 1961, v. 36, no. 5, p. 25-26.

DESCRIPTORS: *Automation, *Fibers, Temperature
control.

(Materials, TT, v. 10, no. 8)

62-29244

I. Saegirev, M. M.
II. CID-62-244
III. Centro de Información
y Documentación,
Madrid (Spain)

Office of Technical Services

Rozenberger, N. A. and Naumov, V. V.
BASIC TRENDS IN THE PRODUCTION DEVELOP-
MENT OF SEMI-FINISHED FIBROUS PRODUCTS.
[1962] 11p.
Order from OTS or SLA \$1.60

62-16074

Trans. of Bumazhnaya Promyshlennost' (USSR) 1961
[v. 36] no. 9, p. 4-7.

DESCRIPTORS: Fibers, *Paper industry, *Wood pulp,
*Cellulose, Paper, Manufacturing methods, Industrial
production.

(Materials--Paper, TT, v. 9, no. 4)

62-16074

I. Rozenberger, N. A.
II. Naumov, V. V.

Office of Technical Services

Bobrov, A. I. and Turbanova, A. D.
COOKING FIR WOOD PULP WITH MAGNESIUM
BISULPHIDE AT RAISED TEMPERATURES. [1962] Sp.
Order from OTS or SLA \$1.10 62-16075

Trans. of Bumazhnaya Promyshlennost' (USSR) 1961
[v. 36] no. 10, p. 4-5.

DESCRIPTORS: *Wood pulp, *Magnesium compounds,
*Sulfides, Temperature, *Wood pulp fibers, *Cellulose,
Lignin, Processing, Mechanical properties, Black
liquor

The temperature of the bisulfite cooking, raised from
170 to 190 deg, does not influence the magnitude of the
fiber yield of the fir wood pulp which is equal to 50.9 -
51.9% at the time when the cellulose is finished and
contains 4.5 - 4.9% of lignin. It is accompanied by an
increased content of alpha-cellulose (from 88 to 88.9%)
and a reduced amount of pentosans (from 6.5 to 5%). It
(Materials--Wood, TT, v. 9, no. 3) (over)

62-16075

1. Title: Fir
2. Title: Kraft cooking
- I. Bobrov, A. I.
- II. Turbanova, A. D.

Office of Technical Services

62-18875

Karlitskii, Sh. M. and Komarovskii, L. E.
CONTINUOUS GRINDING OF WOOD PULP FOR CON-
DENSER PAPER. [1962] 7p. (figs. omitted) 6 refs.
Order from OTS or SLA \$1.10 62-18875

I. Karlitskii, Sh. M.
II. Komarovskii, L. E.

Trans. of Bumazhn[aya] Promyshlennost' (USSR) 1961,
v. 36, no. 12, p. 12-14.

DESCRIPTORS: Manufacturing methods, *Paper, *Wood
pulp, Grinders, Capacitors.

The results of these tests proved the possibility of ob-
taining a quality condenser paper, 10 microns thick,
from the wood pulp, ground only in cone grinders in
continuous operation. It has been found that the applica-
tion of cone grinders with basalt trimmings is econom-
ically more expedient than the use of rollers for the
same purpose. (Author)

(Materials--Paper, TT, v. 9, no. 6)

Office of Technical Services

(NY-3000)

DIGESTION OF PULP FOR THIN CAPACITOR PAPER,
BY B. G. MILOV, M. I. VITOTOVA, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROM, NO 1, 1962,
PP 17-19.

JPRS 14398

USSR

ECON

SCI - CHEM

202,321

Flyate, D. M. and Levdk, I. Yu.
SOME IRREVERSIBLE PHENOMENA IN DRYING
PAPER AND CELLULOSE (PULP). [1962] 10p.
(figs. omitted) 13 refs.
Order from OTS or SLA \$1.10

62-20470

Trans. of Bumazhn[aya] Prom[yshlennost'] (USSR) 1962,
v. 37, no. 3, p. 14-16.

DESCRIPTORS: *Paper, *Cellulose, Dehydration,
Wood pulp fibers, Mechanical properties.

(Materials--Paper, TT, v. 9, no. 11)

62-20470

I. Flyate, D. M.
II. Levdk, I. Yu.

Office of Technical Services

P. T. Lyubarets

Electromagnetic treatment of Boiler Feed water. 5 pp

BUMAZHNAYA PROMYSHLENNOST', Vol 37, No 3, 1962,

pp 26-27

AIR/FTD-HT-23-1642-72

jan 73

(NY-1830)

IMPROVEMENTS IN PRODUCT QUALITY AT THE KRASNOKAMSK
METAL SCREEN PLANT, BY A. T. CHUMADUROV, 7 PP.

RUSSIAN, PER, BUMAZHNAYA PROMY, 1962, NO 5,
PP 19, 20.

JPRS 14882

USSR

ECON

SCI 7 M/M
AUG 62

208,410

(SF-2276)

PULP AND PAPER INDUSTRY IN CUBA, BY V. N.
SHUL'GIN, V. I. MUDRIK, 8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST', NO 5,
1962, PP 28-31.

JPRS 14815

LA - CUBA
ECON
AUG 62

206,338

Let Us Concentrate Efforts on the Basic Trend in
Automation, by M. I. Igudmirakiy.
RUSSIAN, per, Bumazhn Prom, Vol 37, No 10, 1962,
pp 4-6.
ATS RJ-5237

Sci-Mech
July 69

385,776

AUTOMATION IN THE PULP AND PAPER INDUSTRY,
BY L. N. PREOBRAZHENSKIY, S. S. GRANAT,
8 PP.

RUSSIAN, PER, BUMAZHNAYA PROMYSHLENNOST',
NO 10, OCT 1962, PP 6-8.

JPRS 16950

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Balmasov, E. Ya.
CENTRALIZATION OF CONTROL: THE MOST IM-
PORTANT REQUISITE IN EXTENSIVE AUTOMATION.
[1963] 6p
Order from ATS \$9.00

ATS-28Q72R

Trans. of Bumazhn[aya] Prom[yashlenost'] (USSR) 1962,
v. 37, no. 10, p. 11-13.

DESCRIPTORS: *Automation, Control systems.

(Research Methods, Techniques and Equipment, TT,
v. 11, no. 3)

TT-64-12062

I. Balmasov, E. Ya.
II. ATS-28Q72R
III. Associated Technical
Services, Inc.,
East Orange, N. J.

Office of Technical Services

Myl'nikov, V. P.
THE USE OF ELECTRIC HEATING IN PULP AND
PAPER PRODUCTION. Jul 63, 2p
Order from OTS, SLA, or ETC \$1.10 TT-63-18574

Trans. of Bumazh[naya] Prom[yshlennost'] (USSR)
1963 [v. 38] no. 4, p. 20.

DESCRIPTORS: *Wood pulp, *Paper, Heating,
Electricity, Economics,

(Materials--Paper, TT, v. 11, no. 5)

TT-63-18574

I. Myl'nikov, V. P.

Office of Technical Services

Plastics in Paper Making, by B. B.
Gutman, et al.
RUSSIAN, per, Bumazh Prom-st.
1963, Vol XXXVIII, No VIII, pp 10-11.
NLL 5828.4 1964 (10,558) (On Loan)

GB/256/T. 1587

Aug 65

286,418

Hydro-Transport of Wood Chips in Pipeline,
V. V. Korobov, 5 pp.
RUSSIAN, per, Bumajnaya Prom, No 1, 1964,
pp 13-15.
CIA/FDD X-5681

Sci - M/M
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Meter for Measuring the Moisture of
Paper Web, 9 pp.
RUSSIAN, per, Bumazhnaya Promy, No 1, 1964,
pp 22-24.
CIA/FDB XX-1714
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The Chemical Pulp and Paper Industry in 1964 and
1965, 5 pp.
RUSSIAN, per, Bumashnaya Prom, No 2, 1964,
pp 1-2.
NLL Translation Bulletin
Vol VI, No 6, 1964

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Jul 64

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Behaviour of Sulphur in the Boiling of Spruce
Wood With Sodium Sulphide, by V. Schegolev.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 7, 1964, pp 3-7.
CSIRO/No. 7430

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Aug 67

335,832

The Cause of Flocculation in Producing Paper
by a Dry Method, by A. E. Gushchin. 11 p.
RUSSIAN, per, Bumazhaya Promyshlennost, Vol 39,
No 5, 1964, pp 8-9.
NLL RTS-2888

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Jul 66

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Avenues of Development in the Pulp and Paper
Industry, 8 pp.
RUSSIAN, per, Bumazhaya Promyshlennost', No
6, Jun 64, pp. 1-3.
JPRS 30272

USSR
Econ
Jun 65

281,201

More Rapid Utilization of New Pulp-Paper Pro-
duction Capacities Needed, 6 pp.
RUSSIAN, per, Dumskaya Promyshlennost', No 7,
Jul 64, pp. 1-2.
JPRS 30326

USSR
Econ
Jun 65

281,265

Behaviour of Sulphur in the Cooking of Spruce
Wood with Sodium Sulphide, by V. Shchegolev,
V. Nikitin.

RUSSIAN, per, Bumazhnaya Promyshlennost'
No. 7, 1964, pp 3-7
CSIRO/No. 7430

Sci -
Aug 67

335-589

Film Formation in the Manufacture of Vulcanized
Fiber, by F. I. Korchemkin.
RUSSIAN, per, Bumazhn Prom, Vol 39, No 7, 1964,
pp 14-16.
ATS RJ-5229

Sci-Meth & Equip
July 69

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Distribution of Resin in the Process
of Sulphite Pulping of Water Stored
Wood, by S. S. Malevskaya.
RUSSIAN, per, Bumazhnaya Promyshlennost,
No 12, 1964, pp 7-9.
NTC 72-10491-11L

Apr 72

Preparation and Investigation of Low-Substituted
Hydroxyethylcellulose, by Ye. L. Akim.

RUSSIAN, per, Dumazhn Prom, No 12, 1964, pp 193-
198.

ATS RJ-5230

Sci-Chem

July 69

385,767

Acetylation of Slightly Substituted Hydroxyethyl-
cellulose, by Ye. L. Akim.
RUSSIAN, per, Bumazhn Prom, No 12, 1964, pp 199-
205.
ATS RJ-5291

Sci-Chem
July 69

385,768

Oiled-cotton Insulation in High Voltage
Systems, by M. A. Greisukh.

RUSSIAN, bk, Dumazhno-maslyanaya i
Zolyatsiya v Vysokovoltnykh Konstruktsiyakh,
1963, 299 pp.

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Selected pages from book by A.L.II'skiy

Russian, book, Burovyie mashiny, mekhanizmy i soorush-
eniya, Moscow, 1967, pp129-131, 142,
pp254-257, 322, 350, pp450-452,
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incl. captions to diagrams, tables incl. etc.

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